

Receiving Report

Date: 10/4/12

Batch No: 114356

Supplier: Marmen Key

Dart P/O: 11594

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☐

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐ N/A ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection 8 N/A ☐
 Work Order 1010113 N/A ☐

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12 CG

Production/Admin: 10/4/13
 Date CG
 Received/Costing CG
 Initial CG

Location _____

Purchase Order Receipt Listing

Page 1 of 1

April 13, 2010 3:25:36 PM

All amounts are calculated in domestic currency.

All Vendors PO ID po11594 All Receipt Dates All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-MAR001	Marmon/Keystone Canada Ltd.								
PO11594	1		M6061T6T0.500W.0 f 58		4/09/10	4/13/10	300.0000	\$2.20	0.0000	0	\$660.00
CAD	No		6061-T6 RD Tube f .500 x.058W 114356		300.0000	LAVO01		\$660.00	0.0000	0	
	2		M304TR0.500W.035 f		4/09/10	4/13/10	100.0000	\$0.98	0.0000	0	\$98.00
	No		304 RD Tube .500 x f .035W 114356		100.0000	LAVO01		\$98.00	0.0000	0	
	3		M304R0.375 f		4/09/10	4/13/10	24.0000	\$0.85	0.0000	0	\$20.40
	No		304 ROUND BAR f 0.375 114356		24.0000	LAVO01		\$20.40	0.0000	0	
	4		M303R0.750 f		4/09/10	4/13/10	60.0000	\$3.60	0.0000	0	\$216.00
	No		303 Round Bar 0.750 f 114356		60.0000	LAVO01		\$216.00	0.0000	0	
Total Received Quantity:										484.0000	
Total Qty to Inspect (PO U/M):										0.0000	
Total Reject Quantity:										0.0000	
Total Receipt Value:										\$994.40	
Total Balance Due Quantity:										0.0000	

Marmon/Keystone Canada Inc.



Specialty Steels

PACKING SLIP

290 Chemin du Tremblay
Boucherville QU CAN J4B 5X9
TEL. 514/527-9153
FAX. 450/641-4357

PAGE...: 1
Order : 1086880
Date...: 04/08/2010

SOLD TO: _____

DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY ON CAN K6A 1K7

SHIPPED TO: _____

DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY ON CAN K6A 1K7

SHIP VIA EPIC		F.O.B. BOUCHERVILLE	SALESPERSON G. Dulude	YOUR ORDER NO. 11594	
Ordered	Description	Number Pieces	Quantity Shipped	Back Ordered	
	Fax all papers to Linda Lacelle 613-632-1053 Mill tests required with all shipment rev:08/08				
01	300 /FT ALUMINUM SMLS TUBE ATS .500 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#.: M60061T6T0.500W.058 HT#.....: F00006343 Total....	25 25	300/FT 300/FT		
02	100 /FT STAINLESS STEEL SEAMLESS TUBE SMLS TUBE 304L 1/2 X .035 A213 STS .500 .035 304L Tariff Number: 7304. Cust. part#.: M304TR0.500W.035 HT#.....: 872-2788 Total....	5 5	100/FT 100/FT		
03	24 /FT STAINLESS ROUND BAR 304L ROUND BAR CD 3/8" A276 SBR .375 CD 304L Cust. part#.: M304R0.375 HT#.....: 423098 Total....	2 2	24/FT 6 IN 24/FT 6 IN		
04	60 /FT STAINLESS ROUND BAR SBR .750 CD 303 Cust. part#.: M304R0.750 HT#.....: 246473 Total....	5 5	60/FT10 IN 60/FT10 IN		

CY 10/4/12

No. of Bdls Crate

0 / 1

Total Weight.....:

146

Customers.: _____

KAISER ALUMINUM FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT
<http://Certs.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CUSTOMER PO NUMBER: 60-8143-1		CUSTOMER PART NUMBER: AT/5.058/734		PRODUCT DESCRIPTION: Seamless Tube/Pipe	
KAISER ORDER NUMBER: 204128	LINE ITEM: 001	SHIP DATE: 10/28/2009	KAISER LOT NUMBER: F00006343	ALLOY: 6061	TEMPER: T6
WEIGHT SHIPPED: 691.000 LB	QUANTITY: 606.000 PCS	B/L NUMBER: 203279	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: MARMON/KEYSTONE CORP 10700 MARMON DR BOLINGBROOK, IL 60440 USA			SOLD TO: MARMON/KEYSTONE CORP 10700 MARMON DR BOLINGBROOK, IL 60440 USA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON% LACS	BEND
F00006343	0001	1	47.4	44.0	12.0	N/A	N/A	N/A
F00006343	0002	1	48.3	44.9	12.5	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D67559	.64	.30	.22	.05	.96	.07	.04	.02	.00	.00	.00	.00	.02

Applicable Requirements:

Description: MADE IN USA

OD: 0.500"; Wall: 0.058"; Round @

AMS-4082P ASTM-B210-04 WW-T-700/6F

WE TAKE EXCEPTION TO PARA. 5.2.1. Per AMS 4082P, WAS NOT OILED.

THE FOLLOWING SPECIFICATION HAVE BEEN MADE INACTIVE OR

CANCELLED: MIL-T-7081, WW-T-700F/GEN, WW-T-700/2E, WW-T-700/3F,

WW-T-700/4F, WW-T-700/5E, WW-T-700/6F, WW-T-700/7B

COMPLIES TO DIN EN 10204 JAN 2005

COMPLIES TO DFAR 252.225-7001 and DFAR 252.225-7014

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Chris Garcia, Quality System Engineer

Plant Serial: 00005480

Kaiser Order Number: 204128

Line Item: 001

Christopher Garcia

Page 1 of 2

AT/5.058 D6061 T6

MARMON / KEYSTONE	
Q.C. REVIEWED	
DATE	INITIAL
6/10	JA

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

Best in Class

CERTIFIED TEST REPORT
<http://Certs.KaiserAluminum.com>

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Chris Garcia, Quality System Engineer

Christopher J. Garcia

Page 2 of 2

Plant Serial: 00005480

Kaiser Order Number: 204128

Q. C. REVIEWED m: 001

検査成績表 (MILL CERTIFICATE)

需要家:

(CUSTOMER) MARMON/KEYSTONE CANADA

注文者: 三京物産株式会社殿

(SUPPLIER) (SANKYO&CO., LTD.)

品名:

(COMMODITY) SEAMLESS STAINLESS STEEL COLD DRAWN TUBE

ASTM/ASME A269/A213/SA213 (A.W.) TP304/304L

契約番号: S99CA16-B

(CONTRACT NO.)

三京不銹鋼管(沈陽)有限公司

SANKYO STAINLESS TUBE(SHEN YANG) CO., LTD.

中国・瀋陽市蘇家屯区玫瑰街115号

(NO.115 MEIGUI STREET, SUJIATUN DISTRICT, SHENYANG, P.R. CHINA)

寸法: 1/2" OD × 0.035" WT × 20' LG

(SIZE)

発行日: 2009/09/29

(DATE OF ISSUE)

証明書番号: 09-0622

(CERTIFICATE NO.)

需要家管理番号: P.O.# BN6415

(CUSTOMER ORDER NO.)

CASE NO.: 05

製作番号 (Mfg. No.) (三京)	ロット番号 (Lot No.)	製造番号 (Mfg. No.)	製鋼番号 (Heat No.)	数量(Quantity)			引張試験(Tension Test)			硬さ試験 (Hardness Test) HRB	結晶粒度 (Grain Size)	へん平試験 (Flattening)	GOOD			
				本数 (No. of Pcs.)	重量 (Mass)	延長 (Total Lengths)	0.2%耐力 (0.2% Y. S.)	引張り強さ (T. S.)	伸び (E.)							
				本(Pcs.)	kg	m	MPa	MPa	(%)							
(SANKYO)	指定単位(Unit Designated)											押し広げ試験 (Flaring)	GOOD			
規格 (Specification)		最小(Min)				170	485	35								
			最大(Max)													
09-09-030	02		872-2781	90	144		305	615	60.5	72.0		外観寸法試験 (Measurement & surface)	GOOD			
09-09-030	03		872-2781	53	85		300	605	61.0	71.8		渦流探傷試験 (Eddy Current)	GOOD			
09-09-054	01		872-2783	16	26		310	610	60.5	72.0						
09-09-054	03		3C312	128	205		300	600	61.2	71.5						
							315	605	59.9	71.5		検鏡試験 (Microscopic)	—			
							305	600	61.4	72.0		硫酸銅腐蝕試験 (Intergranular Corrosion Test) ASTM A262 PRACTICE E	GOOD			
TOTAL													287	460		
化学成分表 (Chemical Composition) %														備考(Remarks) SOLUTION HEAT TREATMENT; 1100℃ × 2.32Min/W.Q EN-10204-3.1 NACE MR-0175		
製鋼番号 (Heat No.)	C × 100	Si × 100	Mn × 100	P × 1000	S × 1000	Ni × 100	Cr × 100	Mo × 100								
最小(Min)						800	1800									
最大(Max)	3.5	100	200	45	30	1200	2000									
872-2781	3.0	46	158	28	6	810	1845									
872-2783	2.0	38	143	33	12	814	1815									
3C312	2.0	35	177	25	1	800	1821									
QC REVIEWED																
NOV 19 2009																

QC REVIEWED
NOV 19 2009

上記注文品は、御指定の規格又は仕様に従って製造されその要求事項を満足していることを証明します。
(IT IS HEREWITH CERTIFIED THAT THE ABOVE MATERIALS ARE SATISFACTORY IN COMPLIANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONTRACT.)

総工場長 *Long Zhang*
(MANAGER OF QUALITY SYSTEM SECTION)

STIS- .500- .035- -304L * 8/2-2/83 * 1002453 * BN6415 * 11/19/2009

Acciaierie Valbruna S.p.A.



CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2005) , 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Ciente / Besteller/Purchaser/Cient
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1-MILTON, ONT L5T 5Z1-CAN

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Item/Usine producer

Avviso di Spedizione: D-VI09022458
Lieferanzeigef Packing list/8.L.

Ordine nr: 910002421 Stock - Canada
Bestell/Your order/Commande

Certificato nr: MEST798977/2009/
Prüfung/Test/Essai

Conferma ordine nr: EI09005528
Werkz/Our Order/Ref nr.

Marchio di Fabbrica:
Zeichen des Lieferwerkes
Trade mark
Sigle de l'usine productrice



Punzone del Collaudatore:
Stempel des Werkstachverständigen
Inspector's stamp/Pointon de l'essayeur



Oggetto Prove: - Annealed Cold Drawn
Prüfgegenstand/Item Inspected/Finissage

Tipo di Elaborazione: E+AOD
Erzeugungsaart/Melting process/Mode d'elaboration

Specifiche:
Anforderungen / Requirements / Exigences

VS1 0 304/304L A,CF
AMS-QQ-S-763 B 304 2
ASME SA193 2007 B8 5
ASME SA479 2007 S30400/03 A 8
ASTM A262 2002A PRACTICE E
ASTM A320 2008 B8 8
ASTM A479 2008 S30400/03 A
(0) Chemical analysis only.
(2) Chemical analysis only.
(4) SEC.II PT.A 2007 EDITION ADD. 2008a
(5) SEC.II PT.A 2007 EDITION ADD. 2008a
(6) SEC.II PT.A 2007 EDITION ADD. 2008a
(7) Chemical analysis only.
(9) Chemical analysis only.
(B) Chemical analysis only.

AMS 5639 H S30400 0
AMS-QQ-S-763 B 304L 3
ASME SA276 2007 S30400/03 A,CF 6
ASTM A182 2009A S30400/03 9
ASTM A276 2008A S30400/03 A,CF
ASTM A370 2009A
MIL-S-862 B/1 304/304L

AMS 5647 H S30403 (1)
ASME SA182 2007 S30400/03 (4)
ASME SA320 2007 B8 (7)
ASTM A193 2009 B8 (A)
ASTM A314 2008 S30400/03
ASTM A473 2001 S30400/03 (C)

1Chemical analysis only.
3Chemical analysis only.
4Chemical analysis only.
5Chemical analysis only.
7SEC.II PT.A 2007 EDITION ADD. 2008a
8SEC.II PT.A 2007 EDITION ADD. 2008a
AChemical analysis only.
CChemical analysis only.

Qualità: 304/304L
Werkstoff/Grade/Nuance

Marca: MVAISL MAXIVAL
Markenbezeichnung/Brand/Nuance

Punzonatura: 304/304L
Kennzeichnung/Marking/Marquage

Pos. nr. Pos. nr. Nr. de posto	Oggetto Objekt Product description Descript. du produit	Dimensioni - In Abmessungen Dimension	Tolleranza Toleranz Allowance	Lunghezza - In Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0010	Round	0,3750	484-06B	144 / 147	423098		2.202	925801160

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été livré conforme aux exigences

Controllo antimescolanza: OK
Verwechslungsprüfung: spektralanalytisch durchgeführt
Antimixing testing performed: OK
Contrôle antimeslange fait: r.a.s.

Controllo visivo e dimensionale: soddisfatte le esigenze:
Besichtigung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional checks: satisfactory
Contrôle visuel et dimensions: satisfaisant

TEST ALLO STATO DI FORNITURA												
Test on delivery condition Prüfung auf lieferbarem produkt test a l'état de fourniture Prueba sobre el material así como entregado												
TEST	Provetta/probesub Sonderprüfkorper Long diam. Spec. Stech. Diam. Dicke Wegm. Dim. Thickness Long. diam. epais mm	°F	Posiz. Saggio Positionen Lage an Einrichtungen 1)	Snervamento Stoßgrenze Yield Stress Limite elastique Rp 0,2 % k.s.i.	Snervamento Stoßgrenze Yield Stress Limite elastique	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm k.s.i.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Enstriction Reduction of area Striction RA %	Resilienza Kerbschlagarbeit Impact Value Resilience	Durezza Härte Hardness Dureza HB		
Valori richiesti 1 Anforderungen/Required values Valeurs demandées		min max		45	-	90	-	30	-	40	-	-
A	8,75	68	L	88		112	35	65				258

TEST	min	max
A Grain size for ASTM E112		6

Mechanical properties according to ASTM A370.

1) L=longitudinal/longs, T=transversale/quer, Q=Tangenziale/tangentiel

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata/Heat Schmelze/Coulée	min - max 0,030	1,00	2,00	18,00 20,00	1,00	1,00	8,00 10,50	-	0,040	0,020 0,030	0,100	-	-	-	-
423098	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %				
	0,018	0,55	1,90	18,13	0,51	0,60	8,19	0,075	0,025	0,030	0,094				

Produced without class I-II Ozone depleting substances.
Solution heat treated free from continuous carbide network.

Vicenza, 27/10/09 VCO008 (Mod. MCEB)	Il collaudatore di stabilimento / der Werkstachverständige / Works inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 2
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Acciaierie Valbruna S.p.A.



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36100 VICENZA (Italia) - Viale della scienza, 25 z.l.

Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Cliant

VALBRUNA CANADA LTD

8724 HOLGATE CRESCENT

L5T 5Z1-MILTON, ONT L5T 5Z1-CAN

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**

Hersteller/Item/Usine productrice

Avviso di Spedizione: D-VI09022458

Lieferanzsige/Packing list/B.L.

Certificato nr: MEST798977/2009/

Prüfung/Test/Essai

Conferma ordine nr: EI09005528

Werks/Our Order/Ref nr.

Marchio di Fabbrica:

Zeichen des Lieferwerkes

Trade mark

Signe de l'usine productrice



Oggetto Prove: - Annealed Cold Drawn

Prüfgegenstand/Item Inspected/Finissage

Tipo di Elaborazione: E+AOD

Erschmelzungsart/Melting process/Mode d'elaboration

Punzone del Collaudatore:

Stempel des Werksachverständigen

Inspector's stamp/Pointon de l'essayeur



Annealing temperature: 1940°F for 0.5 h/water.

Micro and macro etch test: OK

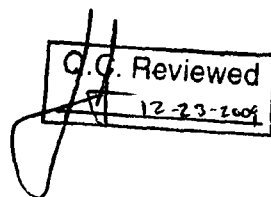
Intergranular corrosion test per ASTM A262 pract. E: ok.

Material is DFARS Compliant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1,s.,4.3 by TUEV and LLOYD'S



Vicenza, 27/10/09

VCO008

(Mod. MCER)

Il collaudatore di stabilimento / der Werkssachverständige / Works inspector / L' agent d' usine

M. Rizzotto

Pagina - 2 di 2

Acciaierie Valbruna S.p.A.



CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2005) , 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Cient
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
CDN-MILTON, ONT L5T 5Z1-CAN

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Item/Usine productioe

Aviso di Spedizione: D-VI08012179
Lieferenzuge/Packing list/B.L.

Certificato nr: MEST623833/2008/
Prüfung/Test/Essai

Conferma ordine nr: E108003081
Works/Our Order/Ref nr.

Marchio di Fabbrica:
Zeichen des Werksachwerkes
Trade mark
Sigle de l'usine productioe



Oggetto Prove: - Annealed Cold Drawn
Prüfgegenstand/Item Inspected/Finissage

Tipo di Elaborazione: E-AOD
Ermittelungsart/Meiting process/Mode d'elaboration

Punzone del Collaudatore:
Stempel des Werksachverständigen
Inspector's stamp/Pointon de l'essayeur



Specifiche:
Anforderungen / Requirements / Exigences
VAL CANADA 2 303 A,CF
ASTM A314 97 S30300
DOD-F-24669 6 S30300
(D) SEC.T.T.P.A 2007 EDITION

AMS 5640 U TYPE1
ASTM A320 2007A B8F
MIL-S-862 B/1 303

ASME-SA320 2007 B8F (d)
ASTM A582 2005 S30300
GS-S-764-B2 303

Qualità: T-303
Werkstoff/Grade/Numéro

Marca: **MY188ZHS MAXIVAL**
Markenbezeichnung/Brand/Numéro

Punzonatura: T-303
Kennzeichnung/Marking/Marque

Pos. nr. Pos. nr. Nr. de poste	Oggetto Gegenstand Product description Descript. du produit	Dimensioni - In Abmessungen Dimension Dimension	Tolleranza Toleranz Allowance Tolerance	Lunghezza - In Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0051	Round	0,7500	484-06B	148 / 148	246473		10.344	734900090

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind erfüllt. Anlage erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été livré conforme aux exigences

Controllo antimescolanza: OK
Verwechslungprüfung: spektralanalytisch durchgeführt
Antmixing testing performed: OK
Contrôle antirelange fait: r.a.s.

Controllo visivo e dimensionale: soddisfa le esigenze:
Besichtigung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional checks: satisfactory
Contrôle visuel et dimensions: satisfaisant

TEST	Provetta/Probierstück Specimen/Eprouvette Long item Spec. Brake Item, Disk With Item, Tailpiece Long item, rest mm	°F	Posto Saggio Probenort Essai 1)	Snervamento Streckgrenze Yield Stress Rp 0,2% k.s.i.	Snervamento Streckgrenze Yield Stress Limite élastique	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm k.s.i.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Einengung Reduction of area Section RA %	Resistenza Verfestigungswert Impact Value Resilience	Durezza Härte Hardness Dureté HB
Valori richiesti 1 Anforderungen/Required values Valeurs demandées		min max		30	-	75	- 35	- 50	-	140 241
A	12,5	68	L	68		101	41	52		240

1) L= longitudinale/längs, C= trasversale/quers, T= Tangenziale/tangentiel

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata/Heat Schmelze/Coulée	min - max 0,150	1,00	2,00	17,00 19,00	0,80	1,00	8,00 10,00	0,15	0,15 0,40	0,40	-	-	-	-
C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %	-	-	-	-
246473	0,040	0,42	1,74	17,20	0,51	0,49	8,21	0,100	0,03	0,32	0,01			

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1940°F for 0.5h/water.

Micro and macro etch test: OK

Material is DFARS Compliant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury or radio-activity contamination
The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1.s.4.3 by TÜV and LLOYD'S

O.C. Reviewed
06/27/08

Vicenza, 30/04/08 VCC0005 (Mod. NCER)	Il collaudatore di stabilimento / der Werkssachverständige / Works inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 1
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DART
aerospaceDart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053**PURCHASE ORDER**Purchase Order ID **PO11594**

Purchase Order Date 4/06/10

PO Print Date 4/06/10

Page Number 1 of 2

Order From :

VC-MAR001

MARMON/KEYSTONE CANADA LTD.
290 CHEMIN DU TREMBLAY
BOUCHERVILLE, QC J4B 5X9
CA**FAKED**
CS 10/4/10

Contact Name

Vendor Phone

800 361 8142

Vendor Fax

450 641 4357

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M6061T6T0.500W.058	6061-T6 RD Tube .500 x.058W	4/09/10 Yes	300.00 f	Epic ppd ✓	\$2.2000	\$660.00
		Special Inst:	MATERIAL: 6061-T6 OR 6061-T62 TUBING PER WW-T-700/6 OR AMS 4080 OR AMS 4082 OR QQ-A-200/8 OR QQ-A-225/8				
2	M304TR0.500W.035	304 RD Tube .500 x .035W	4/09/10 Yes	100.00 f	Epic ppd ✓	\$0.9800	\$98.00
		Special Inst:	MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING AS PER ASTM A213 OR ASME SA213 OR ASTM A269				
3	M304R0.375	304 ROUND BAR 0.375	4/09/10 Yes	24.00 f	Epic ppd ✓	\$0.8500	\$20.40

**MATERIAL CERTIFICATION
REQ'D UPON DELIVERY**

C21014112

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 4/06/10



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO11594**

Purchase Order Date 4/06/10

PO Print Date 4/06/10

Page Number 2 of 2

Order From :

VC-MAR001

MARMON/KEYSTONE CANADA LTD.
290 CHEMIN DU TREMBLAY
BOUCHERVILLE, QC J4B 5X9
CA

Contact Name

Vendor Phone

Vendor Fax

Vendor Account Nbr

800 361 8142

450 641 4357

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

Special Inst: MATERIAL: AISI 304/316 SS ROUND
BAR AS PER
ASTM A276
(NOTE: AISI 303 NOT ACCEPTABLE)

4	M303R0.750 ✓	303 Round Bar 0.750	4/09/10 Yes	60.00 f	Epic ppd	\$3.6000	\$216.00
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Special Inst: MATERIAL: AISI 303 SS ROUND BAR
AS PER ASTM A582
(NOTE: AISI 304/316 NOT ACCEPTABLE)

PO Total:

\$994.40

CY1014112

MATERIAL CERTIFICATION
REQD UPON DELIVERY

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consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 4/06/10